OKIPAGE *10ex*
Digital LED Printer

User's Guide

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First edition, December, 1998.

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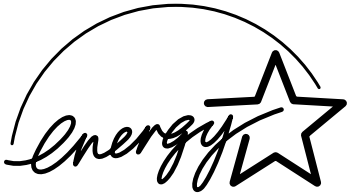
All products currently sold by Okidata are Year 2000 Compliant. Each product contains information technology that accurately processes date and time data between the years 1999 and 2000. These products, when used in combination with products purchased from other manufacturers, whose products properly exchange date and time information, will accurately process the date and time. All future products are committed to meeting the same Year 2000 compliance.



As an Energy Star Partner, Okidata has determined that this product meets the Energy Star guidelines for energy efficiency.

Safety Instructions

Your OKI printer has been carefully designed to give you years of safe, reliable performance. As with all electrical equipment, however, there are a few basic precautions you should take to avoid hurting yourself or damaging the printer:

- Read the setup instructions in this handbook carefully. Be sure to save it for future reference.
- Read and follow all warning and instruction labels on the printer itself.
- Unplug the printer before you clean it. Use only a damp cloth; do not use liquid or aerosol cleaners.
- Place your printer on a firm, solid surface. If you put it on something unsteady, it may fall and be damaged; if you place it on a soft surface, such as a rug, sofa, or bed, the vents may be blocked, causing the printer to overheat.
- To protect your printer from overheating, make sure all openings on the printer are not blocked. Don't put the printer on or near a heat source, such as a radiator or heat register. Keep it out of direct sunlight. Allow enough room around the printer for adequate ventilation and easy access to the paper trays.
- Do not use your printer near water, or spill liquid of any kind into it.
- Be certain that your power source matches the rating listed on the back of the printer. If you're not sure, check with your dealer or with your local power company.
- Your printer has a grounded, 3-prong plug as a safety feature, and it will only fit into a grounded outlet. If you can't plug it in, chances are you have an older, non-grounded outlet; contact an electrician to have the outlet replaced. Do not use an adapter to defeat the grounding.
- The printer must be installed near a power outlet which remains easily accessible.
- To avoid damaging the power cord, don't put anything on it or place it where it will be walked on. If the cord becomes damaged or frayed, replace it immediately.
- If you are using an extension cord or power strip with the printer, make sure that the total of the amperes required by all the equipment on the extension is less than the extension's rating. The total ratings of all equipment plugged into the outlet should not exceed 15 amperes.
- Do not poke anything into the ventilation slots on the printer; you could get a shock or cause a fire.
- Aside from the routine maintenance described in this handbook, don't try to service the printer yourself; opening the cover may expose you to shocks or other hazards.
- Do not make any adjustments other than those outlined in the handbook: you may cause damage requiring extensive repair work. See Section 5 for information on how to get your printer serviced by qualified OKIDATA technicians.

If anything happens that indicates that your printer is not working properly or has been damaged, unplug it immediately and follow the procedures in Section 5 for having your printer serviced.

These are some of the things to look for:

- The power cord or plug is frayed or damaged.
- Liquid has been spilled into the printer, or it has been exposed to water.
- The printer has been dropped, or the cabinet is damaged.
- The printer doesn't function normally when you're following the operating instructions.

Federal Communications Commission
Radio Frequency Interference Statement for 120-Volt Models

WARNING: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

  It is the responsibility of the user to obtain the required shielded cable in order to ensure compliance of this equipment with FCC regulations.

Changes or modifications not expressly approved by Okidata may void your authority to operate this device.

Industry Canada
Radio Interference Statement for 120-Volt Models

This apparatus complies with the Class “B” limits for radio interference as specified in the Industry Canada Radio Interference Regulations.

Cet appareil est conforme aux critères établis pour la Classe “B” en ce qui concerne les interférences radio, tel que spécifié par Industry Canada dans les Règlements relatifs aux Interférences Radio.

Federal Communications Commission
Radio Frequency Interference Statement for 230/240-Volt Models

WARNING: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

It is the responsibility of the user to obtain the required shielded cable in order to ensure compliance of this equipment with FCC regulations.

Changes or modifications not expressly approved by Okidata may void your authority to operate this device.

Industry Canada Radio Interference Statement for 230/240-Volt Models

This apparatus complies with the Class “A” limits for radio interference as specified in the Industry Canada Radio Interference Regulations.

Cet appareil est conforme aux critères établis pour la Classe “A” en ce qui concerne les interférences radio, tel que spécifié par Industry Canada dans les Règlements relatifs aux Interférences Radio.

European Union Council of the European Communities Statement of Electromagnetic Conformance for 230/240-Volt Models

This product complies with the requirements of the Council Directive 89/336/EEC on the approximation of the laws of the member states relating to electromagnetic compatibility.

This product is in conformity with Directive 73/23/EEC on the harmonization of the laws of Member States relating to electrical equipment designed for use within certain voltage limits.

Ce matériel est conforme aux dispositions de la Directive du Conseil 89/336/CEE applicables à l'approximation de la législation des Etats membres en ce qui concerne la compatibilitè des équipements èlectromagnétiques.

Ce produit est conforme à la Directive 72/23/EEC sur l'harmonisation des lois des états membres relativement au matériel électrique devant être utilisé dans des limites de tension spécifiques.

Este producto cumple con los requisitos de la Directiva del Consejo 89/336/CEE sobre la aproximación de la legislación de los Estados Miembros por cuanto respecta a la compatibilidad electromagnética.

Este producto cumple con la Directiva 73/23/EEC sobre armonización de las leyes de los Estados Miembros referente a equipo eléctrico a ser usado dentro de ciertos límites de voltaje.

Este produto obedece aos requisitos da Directiva do Conselho 89/336/CEE sobre a aproximação das leis dos estados membros relativamente à compatibilidade electromagnética.

Este produto está de acordo com a Diretriz 73/23/EEC sobre a harmonização das leis dos Estados Membros relacionadas a equipamentos elétricos projetados para o uso dentro de determinados

Warranty Enhancement Programs

⇨ ***Available in the U.S. and Canada only***

OKI Extend ™

This program offers you the opportunity to purchase an extension of the standard warranty for your OKI printer. You can add 1 or 2 years to the standard warranty period.

OKI On-Site ™

If you experience a malfunction of your OKI printer and the problem cannot be resolved over the phone, this program offers you repair of your printer right at your place of business, by our national service provider.

For more information...

For pricing and more detailed information on these programs:

- call 1-800-OKIDATA (1-800-654-3282)

  or

- visit our Web site: http://www/okidata.com

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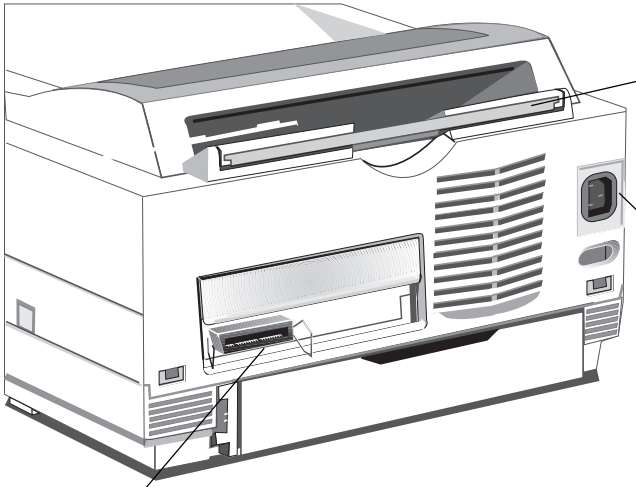
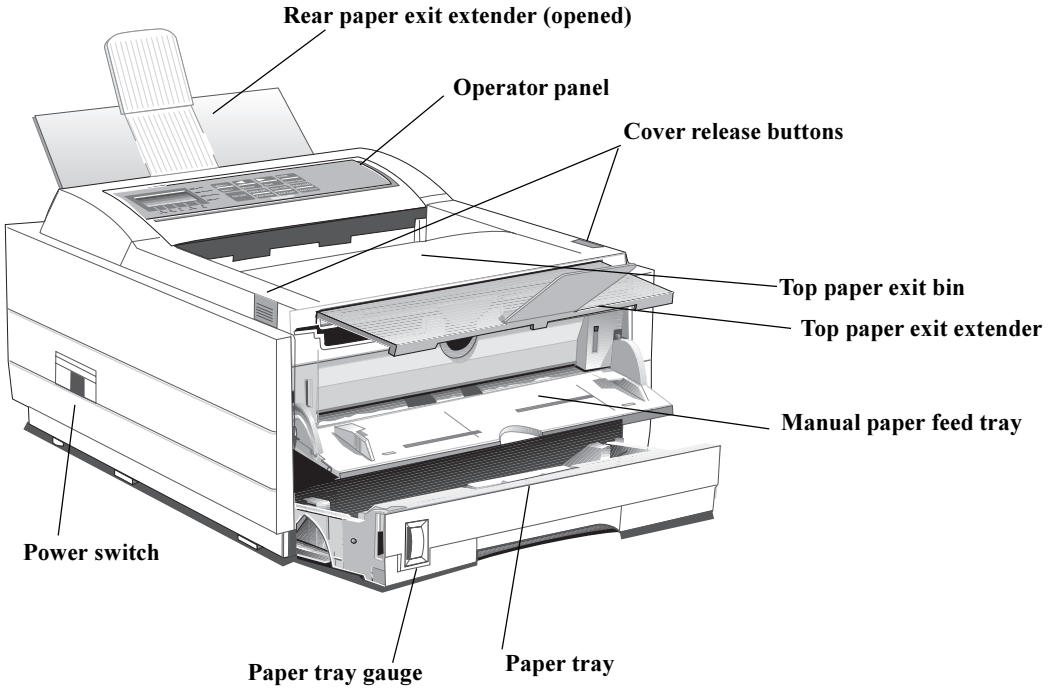

Rear paper exit extender (closed)
Power cord receptacle
Bi-directional IEEE parallel port


Rear paper exit extender (opened)
Operator panel
Cover release buttons
Top paper exit bin
Top paper exit extender
Manual paper feed tray
Power switch
Paper tray gauge
Paper tray

Features

- Fast print speed - 10ppm with a 28 MHz RISC micro processor
- Excellent print quality–True 600 dpi and 600 x1200 graphics
- Large paper capacity–250 sheet paper tray and manual sheet/ envelope feeder plus options for increasing paper capacity up to 850 sheets
- Memory - 2MB installed, expandable to 35MB
- Fonts - 35 PCL® fonts (Agfa), 10 True Type fonts, USPS Barcode font, OCR-A/B supported
- Emulations - Standard HP® LaserJet 5 (PCL6), IBM® ProprinterIII/Epson® FX (9-pin emulation)
- Printer drivers - Windows® NT 4.0, Windows 95, Windows 98, Windows 3.x
- Interface - IEEE 1284 bi-directional parallel interface
- On-screen status monitor and interactive software operator panel
- Energy Savings - Power is reduced when not printing
- 1 year overnight exchange warranty, 5 year warranty on the LED printhead (overnight exchange available in the US and Canada)

Consumables

Toner - 2,000 pages @ 5% print density (Type 5 Toner Cartridge Kit, Part# 52109001)

Drum - 20,000 pages with continuous printing (Type 5 Image Drum Cartridge Kit, Part# 40433305)

Options

- 500 sheet 2nd Paper Tray/Mechanism (Part# 70028701)
- 100 sheet/50 envelope Multi-purpose Feeder (Part# 70025101)
- 1 MB Memory Expansion Board with 2 expansion (SIMM) sockets (Part# 70033101)
- RS-232 Serial Interface Board with 2 expansion (SIMM) sockets (Part# 00025302)

To install the following options, a Memory Expansion Board or RS-232 Serial Interface Board must be purchased.

- Flash Memory SIMM 4MB (Part# 70032601)
- Flash Memory SIMM 8MB (Part# 70033201)
- 4MB Memory SIMM Chip (Part# 70028801)

Section 1 ➡ Setting Up Your Printer

Selecting a Location for Your Printer

- A firm surface such as a table or desktop
- Space to open the cover and pull out the paper tray and the rear output extender
- Air circulation around the printer to prevent overheating (minimum of 4 inches)
- A nearby power source
- Room temperature of 50° to 90°F (10° to 32°C).
- Relative Humidity of 20- 80%
- No direct sunlight

Visit the OKIDATA Web Site

http://www.okidata.com

for the latest information on:

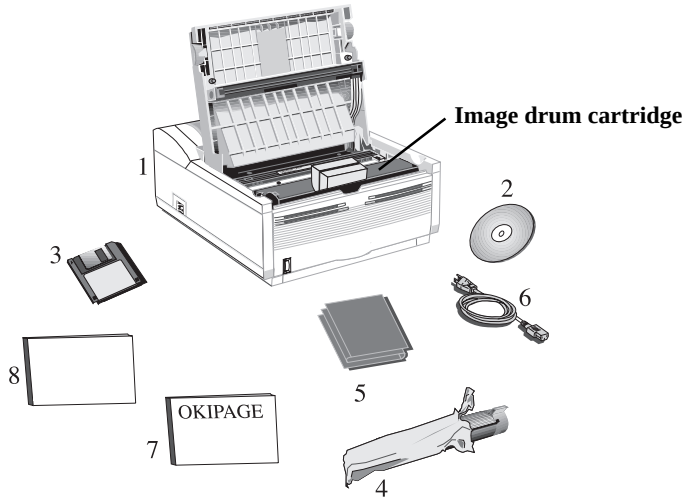
- Product Guides
- Customer Support
- Software Drivers
- Corporate Information
- Documentation

Checking the Contents

Unpack your printer. The shipping box should contain:

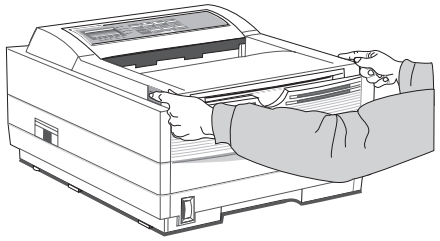
1. OKIPAGE 10ex Printer (with image drum cartridge installed)
2. CD-ROM (includes printer drivers and software)
3. Printer software diskette (to install printer software without CD-ROM)
4. Toner Cartridge
5. Black plastic light-shield bag (to store image drum if you need to ship the printer)
6. Power Cord
7. Okipage 10ex User's Guide
8. Warranty Registration Card

If you are missing anything, contact your dealer.

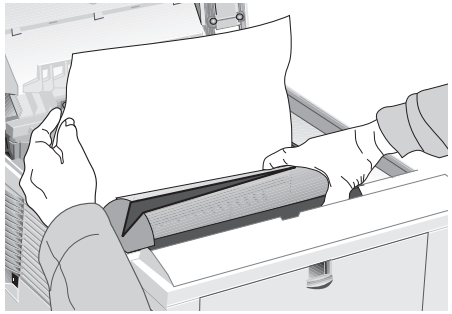


Remove the Image Drum Protective Paper

1. Press the cover release buttons and lift the cover.

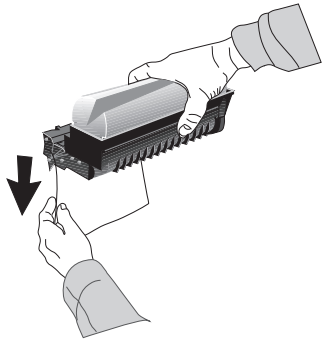


2. Lift out the image drum cartridge. **Do not touch the drum's green surface**.



⇨ *Only the OKIPAGE 10 and 12 Series Type 5 Image Drum will fit in this unit (Part# 40433305)*

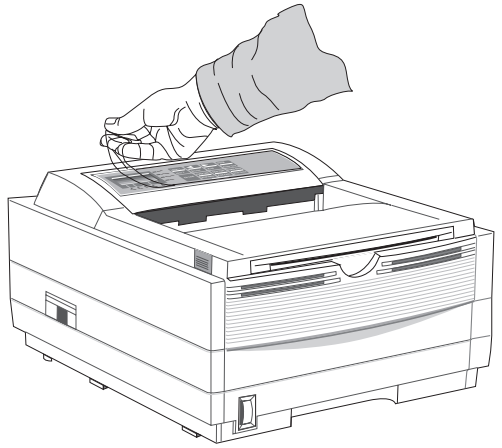
3. Remove the protective paper from the image drum.



4. Reinstall the image drum cartridge in the printer.

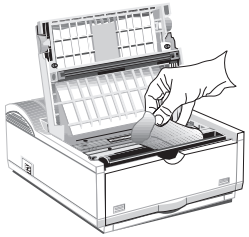
Removing Operator Panel Protective Film

Lift up the corner and peel the protective plastic film from the control panel.



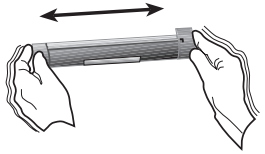
Installing Toner

1. Remove the sponge.



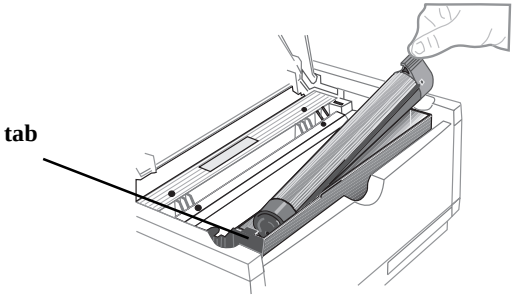
2. Unwrap the toner cartridge. Shake the cartridge from side to side to distribute the toner.

⇨ *Only the OKIPAGE 10 and 12 Series Type 5 Toner Cartridge will fit in this unit (Part# 52109001)*

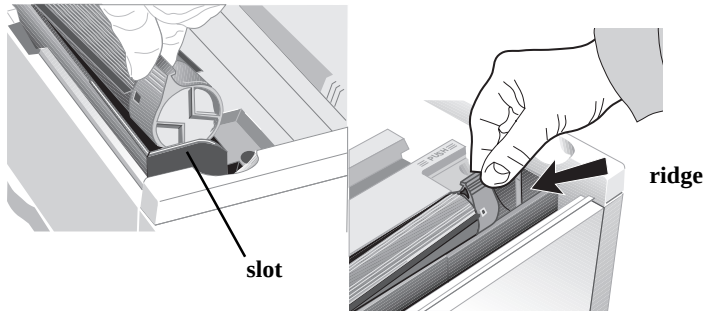


3. Peel tape off the bottom.

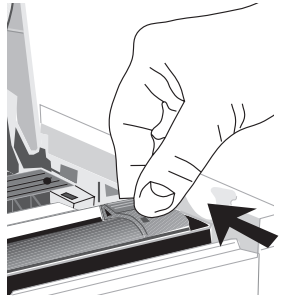
4. Grasp the lock lever and place the left side of the toner cartridge into the toner well, under the tab.



5. Lower the right side, aligning the lock lever slot with the ridge in the drum cartridge.



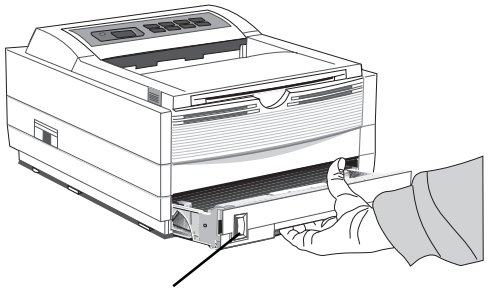
6. When the cartridge is in place, push the lock lever forward until it stops.



7. Lower the printer cover and press firmly to close.

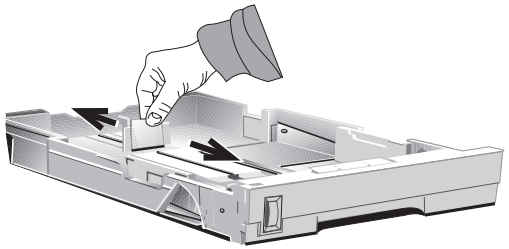
Loading Paper

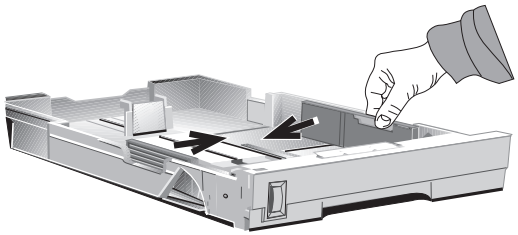
1. Slide the tray out of the printer.



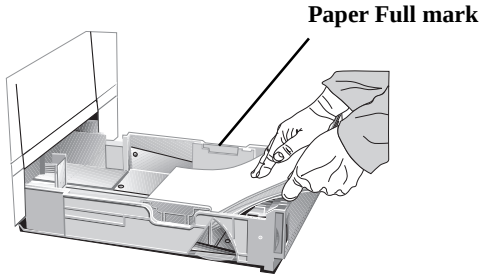
⇨ *The paper gauge indicates how much paper remains in the tray.*

2. Adjust the paper guides for the paper size you are using.





3. Fan a stack of paper (Maximum 250 sheets, 20 lb.) and place it in the tray under the tabs. Do not fill above the "PAPER FULL" mark. To use letterhead, place paper print side down, top-edge facing you.

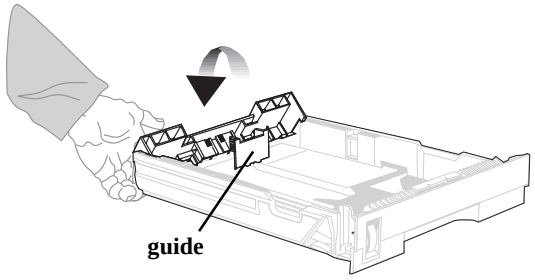


⇨ *Recommended paper weight for the tray is 16 to 28 lb (60 to 105 g/m²).*

4. Place the tray back into the printer until it locks.

Using Legal Size Paper

To load legal size paper, open out the tray extender and adjust the rear paper guide.



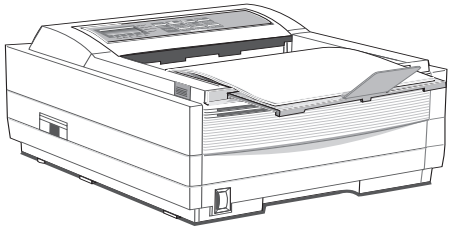
Paper Exit Options

Two paper exit options are available. Select the paper path that is appropriate for the media you are using.

Top Paper Exit

Use top paper exit for most printing jobs.

- Printed pages exit face down
- Pages are stacked in the order printed
- Exit bin holds 150 sheets of 20-lb. paper



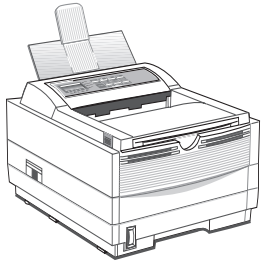
1. Pull the front tray extender forward.
2. Lift out the support bar.

⇨ *Don't change paper paths while printing, paper jam may occur.*

Rear Paper Exit

The rear paper exit tray provides a straighter paper path. Use rear exit when printing on heavy paper, envelopes, labels, and transparencies.

- Printed pages feed face up into the rear tray
- Pages are stacked in reverse order
- Tray holds a maximum of 50 sheets of 20 lb. paper
- Use rear exit for printing on heavy paper, envelopes, labels, transparencies or odd size paper



1. Pull out the rear exit tray until it locks in place.
2. Lift out the support bar.

To return to top exit, close the support bar and push the rear exit extender firmly back in place, paper will then exit into the top bin.

⇨ *See Section 2 for information on using special print media.*

Choosing Paper

- For best results, use paper that is smooth and of high quality.
- Store paper in its ream wrapper until you are ready to use it, and keep it away from moisture or conditions that can cause it to wrinkle or curl.
- Avoid printing on both sides of the paper for more than a few pages, or preprinted documents that have been in a photocopier.
- Try paper before you buy it in quantity.

⇨ *See Section 2 for information on using recycled print media.*

Interfacing with your Computer

Your printer has a high-speed, bi-directional parallel IEEE 1284 interface port. Purchase a cable marked IEEE 1284 compliant. **To comply with FCC regulations, the cable must be *shielded* and UL and CSA approved.** Consult your PC manual for details on cable requirements and interface ports on your computer.

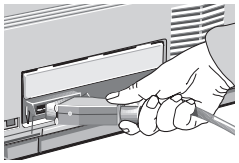
⇨ *OKIDATA has tested and approved the following bi-directional cable: Part# 70000803.* See Section 5 for purchasing information.

⇨ *An optional RS-232 Serial I/O Card is available: Part# 00025302.* See Section 5 for purchasing information.

Connect the Cable

Make sure the printer and computer are off.

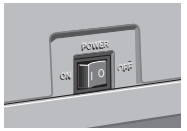
1. Insert the printer end of the cable firmly into the connector on the back of the printer). Fasten the cable to the printer securely.



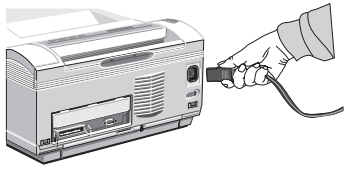
2. Connect the other end of the cable to the proper connector on your computer. Fasten the cable securely to your computer.

Attaching the Power Cord

1. Make sure the printer power switch (on left side) is set off.



2. Plug the power cord into the printer first, then into a *grounded* outlet.



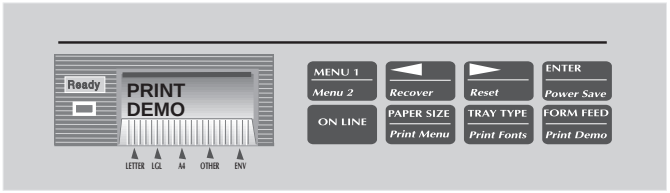
3. Turn the printer on. It takes about 10 seconds for the printer to initialize, warm up, and display the **ON-LINE** message, indicating the printer is ready to receive data.

Changing the Display Language

To change the language on the panel display and menu printout:

1. Press ON-LINE until the READY light goes out.
2. Press and hold MENU1/*Menu2* until **PRINT MODE** displays.
3. Press MENU1/*Menu2* 10 times until the display reads **LANGUAGE.**
4. Press ENTER/*Power Save* . The display now reads **LANGUAGE ENGLISH***.
5. Press >/*Reset* until the language you want appears. Press ENTER/*Power Save*.
6. Press ON-LINE.

Printing a Demo Page



To print a page showing printer features and capabilities, do the following:

1. Press ON-LINE until the READY light goes out and the printer is OFF-LINE.
2. Press FORM FEED/*Print Demo* and hold until **DEMO** appears.
3. Press ENTER. The demo page will print.

Printing a Font Page

To print a page showing the printers available fonts, do the following:

1. Press ON-LINE until the READY light goes out and printer is OFF-LINE.
2. Press TRAY TYPE/*Print Fonts* and hold until **FONTS** appears.
3. Press ENTER. The font page will print.
4. To print the font page for a different emulation, before pressing ENTER, press > until that emulation displays.

Printer Software

The CD-ROM provided with your printer includes printer drivers required to use all the OKIPAGE 10ex features. Follow the steps in this guide to install the appropriate driver on your computer system.

In addition to printer drivers, you have the option of installing an on-screen printer status monitor and operator panel, and the OKI electronic registration program.

Printer Drivers

Printer drivers must be installed so your software application can communicate with your OKIPAGE 10ex printer and support all of its features.

The OKIPAGE 10ex CD-ROM includes printer drivers for printing in the following Windows environments:

- Windows 95
- Windows 98
- Windows NT 4.0
- Windows 3.1

⇨ *If you are using DOS or another non-windows operating system, select a* ***Hewlett-Packard® LaserJet®5, LaserJet 6 or LaserJet 6P*** *printer driver in your software application.*

No CD-ROM Drive?

1. Visit the Okidata web site at **http://www.okidata.com** and download the printer drivers.

   or

2. Use the enclosed 3.5" diskette. It contains a Windows® driver that will allow you to use your printer right away. Follow the instructions in the README.TXT file on the diskette to install it. To obtain a set of diskettes, call **1-888-232-8530** and request the appropriate set.

Standard Windows 3.1	MS 10370/1098
Standard Windows 95	MS 10371/1098
Standard Windows 98	MS 10372/1098
Standard Windows NT 4.0	MS 10373/1098

Standard Driver vs. Advanced Driver

The standard OKIPAGE 10ex (PCL 5, HP6P) driver is ideal for most Windows documents. However, we have also provided an advanced (PCL-XL) driver that optimizes the printing of complex graphics in the Windows environment. *Additional printer memory may be required to print complex pages and to take full advantage of the features offered by the advanced driver.*

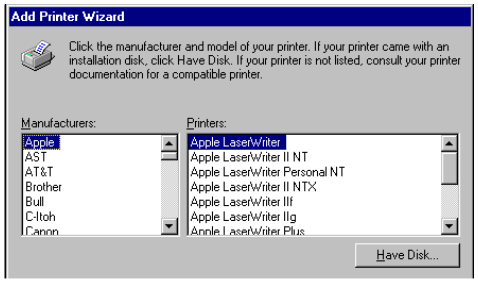
Status Monitor

The status monitor program allows you to monitor and configure an OKIPAGE 10ex that is connected to your parallel port. In addition to displaying printer status messages, the status monitor provides remote access to the printer's operator panel. See pages 8 and 9 for additional information about status monitor features.

Windows 95, Windows 98, and Windows NT 4.0

Installing the Driver

1. Close all open applications.
2. Insert the OKIPAGE 10ex CD into your CD-ROM drive.
3. Click the **Start** button on the Windows taskbar, then choose **Settings→Printers**.
4. Double-click the **Add Printer** icon.
5. The Add Printer Wizard screen appears; follow the instructions on your screen.
6. Select Local or Network printer, (depending on your configuration), then click **Next**.



7. When the Manufacturers list appears, Click **Have Disk**.
8. When **Install From Disk** window appears, depending on your operating system and choice of driver, type one of the following paths in the **Copy manufacturers files** box:

d:\win95\PCLDRV\standard\english

d:\win95\PCLDRV\advanced\english

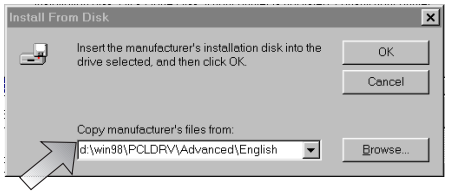
d:\win98\PCLDRV\standard\english

d:\win98\PCLDRV\advanced\english

d:\NT40\PCLDRV\standard\english

d:\NT40\PCLDRV\advanced\english

⇨ *assuming "d" is the location of your CD ROM drive.*



9. Click **OK**.
10. When the driver you selected appears, click **Next**.
11. Continue with the installation following the **Add Printer Wizard** instructions on your screen.

Installing the Status Monitor

To install the on-screen status monitor:

1. Close all open applications.
2. Insert the OKIPAGE 10ex CD into your CD-ROM drive.
3. Click the **Start** button on the Windows taskbar, then click **Run**.
4. Enter **d:\install** (assuming "d" is the location of your CD ROM drive). Click **OK**.

   A message appears reminding you that this program installs only the printer software. (*To install the driver, see instructions in the previous section).*

   Click **Yes** to continue the installation.
5. **Welcome** window appears. Click **Next**.
6. **License Agreement** appears. Click **Yes**.
7. **Destination** window appears. Click **Next**.
8. **Select Component** window appears. Here you have the option of installing the following:

   ✓ OKIPAGE 10ex Status Monitor

   ✓ Electronic Registration

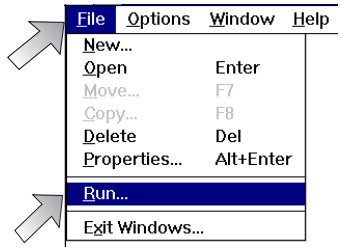
   Clear the items you do *not* want to install. Click **Next**.
9. **Select Program Folder** windows appears, with OKIPAGE 10ex listed. Click **Next**. Installation begins. Follow the instructions on the screen.
10. When prompted, click **Finish** to complete the installation.
11. Restart Windows.
12. Click the **Start** button on the Windows taskbar, then choose **Programs→OKIPAGE 10ex**. From the submenu, click **Electronic Registration**, **Windows Status Monitor**, or **Readme.txt** to see any of these programs.

⇨ *To register your printer online, visit the OKIDATA Web Site at* ***http://www.okidata.com.***

Windows 3.x

Installing the Standard Driver and the Status Monitor

1. Insert the disc into your CD-ROM drive.
2. Close all open applications.
3. Click **File→Run**.



4. Enter **d:\install** (assuming "d" is the location of your CD-ROM drive). Click **OK**.
5. **Welcome** window appears. Click **Next**.
6. **License Agreement** appears. Click **Yes**.
7. **Destination** window appears. Click **Next**.
8. **Select Component** window appears. Here you have the option of installing the following:

   ✓ OKIPAGE 10ex Standard Driver

   ✓ OKIPAGE 10ex Status Monitor

   ✓ Electronic Registration

   Clear the items you do *not* want to install. Click **Next**.

9. **Select Program Folder** windows appears, with OKIPAGE 10ex listed. Click **Next**. Installation begins.
10. To complete the installation, click **restart Windows**. Click **Finish**.

Installing the Advanced Driver

1. From Program Manager Double-click the **Main** group.
2. Double-click the **Control Panel** icon.
3. Double-click **Printers** icon.
4. Click the **Add** button.
5. Highlight **Unlisted or Updated Printer**. Click **Install**.
6. When the **Install Driver** box appears, type in **d:\WIN31\PCLDRV\Advanced\English** (assuming "d" is the location of your CD ROM drive). Click **OK**.
7. **OKIPAGE 10exPCLXL advanced driver** appears. Click **OK**.
8. Click **Close**.

Using the Status Monitor`

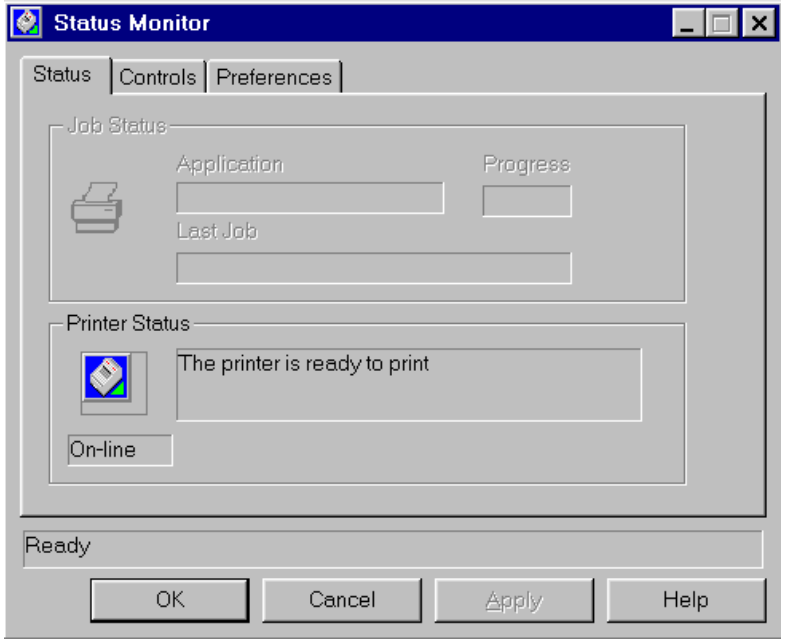
You have the option of installing an on-screen printer status monitor and operator panel. With the status monitor open, printer status messages pop-up on your computer screen, and printer menu settings can be modified using the on-screen operator panel.

⇨ ***Printer features selected in your application software will override settings in the on-screen operator panel.***

Three tabs include the following information:

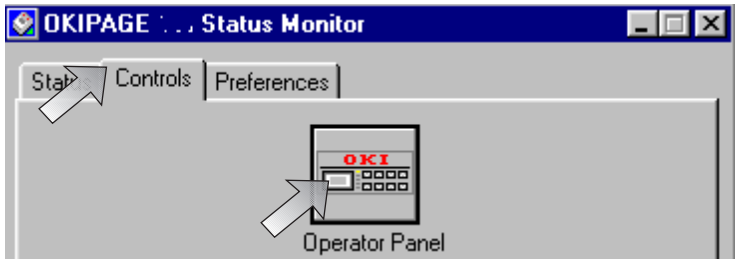
- **Status** - (*shown here*) shows the printer status and current job status.
- **Controls** - allows user access to the Printer Setup dialog (printer driver control) and the operator panel.
- **Preferences** - allows the user to select the behavior and appearance of the status monitor.

Click the Help button for a description of each feature.



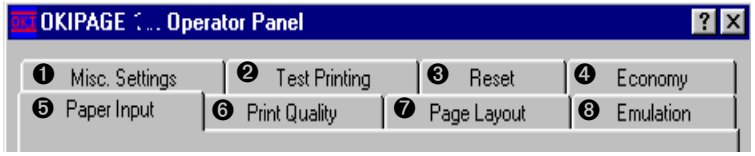
Using the Operator Panel

The on-screen operator panel is designed to perform as an interactive software "front panel" for accessing the printer's menu from your computer. To invoke the operator panel, open the status monitor, click the controls tab, then click the operator panel button. Click the Help button for an explanation of each feature.



⇨ ***Printer features set in your application software, will override printer menu settings.***

Click on the appropriate tab to see the menu settings.



❶ Set display language, copies, low toner alert, miscellaneous settings.
❷ Print demo page, font page, menu settings, cleaning page.
❸ Reset menu, drum count, print menu.
❹ Set power save, toner save.
❺ Select paper source, weight, size, transparencies.
❻ Set print output quality, darkness setting.
❼ Adjust lines per page, orientation, edit size.
❽ Select emulation (PCL, IBM®, EPSON®).

Uninstall Printer Software

If you want to remove the printer driver or status monitor from your hard drive, use the following procedure:

Windows 95, Windows 98, and NT 4.0

To remove the printer driver:

1. Click **Start →Settings →Printers**
2. Highlight the **OKIPAGE 10ex Printer** icon.
3. Click **File** from the Menu bar.
4. Click **Delete**.

To remove the status monitor:

1. Click **Start →Settings →Control Panel**.
2. Double-click **Add/Remove Program**.
3. On the **Install/Uninstall** tab, select the **OKIPAGE 10ex Software**.
4. Click the **Add/Remove** button.

Windows 3.x

To remove the printer driver and status monitor:

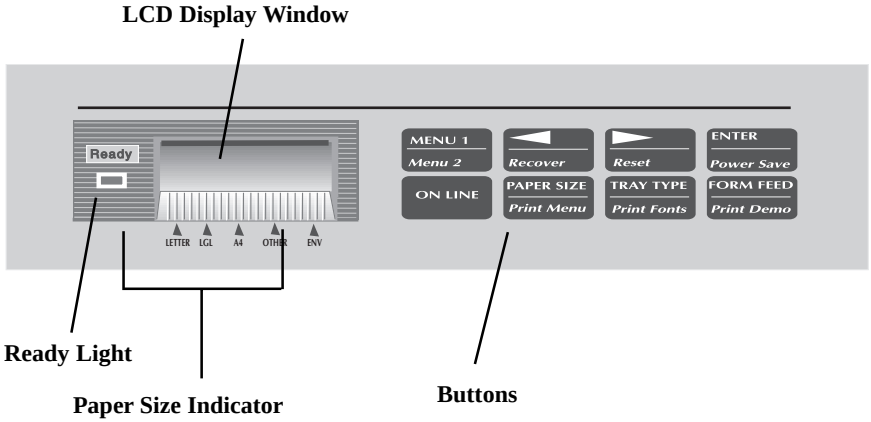
1. From **Program Manager** double-click the **OKIPAGE 10ex** icon (or the group where your printer is installed).
2. Double-click **uninstallShield**.
3. Restart your computer.

Section 2 ➨ Operating Your Printer

This section provides the following information:

- Using the front operator panel
- Setting printer features using the printer menu
- Using the printer software
- Using manual feed
- Printing envelopes
- Printing transparencies and labels
- Using recycled print media

Using the Front Operator Panel



Ready Light

On

Printer is online, ready to receive data; button functions inactive (except ON-LINE).

Off

Printer is off-line, cannot receive data; button functions active.

Blinking

Printer is receiving data.

LCD Display Window

Indicates:

- What the printer is doing during normal operation.
- When you need to add paper or change consumables.
- When there's something wrong with the printer.
- Printer feature selections in Menu mode

⇨ *See "Problem Solving" for a description of display messages.*

Paper Size Indicator

The paper size in the tray is indicated by using the dot at the very bottom of the LCD display. Paper size options are shown immediately below the LCD display.

Button Functions

BUTTON	OPERATION	FUNCTION
ON LINE	Quick press	Switches between ON-LINE and OFF-LINE mode.
	In Menu	Exits Menu mode.
FORM FEED	Quick press	In ON-LINE mode, one sheet is ejected. In OFF-LINE mode, unprinted data is printed.
Print Demo	*2 second press*	*In OFF-LINE mode, demo page print.*
TRAY TYPE	Quick press	In OFF-LINE mode, enters Tray Select Sub Menu.
Print Fonts	*2 second press*	*In OFF-LINE mode, prints font page.*
PAPER SIZE	Quick press	In OFF-LINE mode, enters Paper Size Sub Menu.
Print Menu	*2 second press*	*In OFF-LINE mode, prints Menu settings.*
MENU 1	Quick press	In OFF-LINE mode, enters Level-1 Menu.
	In Menu mode	Moves to next Menu category. Reverts to previous Menu category when pressed for 8 seconds or more.
	At power on	Enters User Maintenance mode.
Menu 2	*2 second press*	*In OFF-LINE mode, enters Level-2 Menu.*
ENTER	In Menu mode	Set the displayed selection as default setting.
Power Save	*2 second press*	*In OFF-LINE mode, enters the Power Save Sub Menu.*
	In Menu mode	Returns to previous Menu item.
Recover	*2 second press*	*Clears certain receive data errors and returns printer on-line.*
	In Menu mode	Advances to next Menu item.
Reset	*2 second press*	*Clears all data and executes internal reset.*

Using the Printer Menu

The Menu provides a way to select printer operations and features using the printer's front operator panel.

The Menu is divided into Level 1 and Level 2.

Level-1 Menu

- Enter this mode using a quick press of the Menu 1/*Menu 2* button with the printer off-line.
- Items frequently changed are included.

Level-2 Menu

- Enter this mode by pressing the Menu 1/*Menu 2* button for 2 seconds with the printer off-line.
- Items rarely changed are included.

Each level has a hierarchical structure of categories and items, and options. Selections display in the LCD window.

1. Press the ON LINE button to enter off-line mode.
2. Enter the Menu mode by pressing the MENU 1/*Menu 2* button.
3. Continue pressing MENU 1/*Menu 2* to display the next category.
4. Press MENU 1 again to see more items in a category.
5. To select an item, press ENTER. Items are displayed on the top line. The bottom line indicates available options within each item. An asterisk (*) indicates the current selection.
6. Press >/*Recover* to see more selections.
7. Press ENTER to choose a selection.
8. Press ON-LINE to exit the menu.

⇨ *Operations and features set in your application software, will override Menu settings.*

⇨ *Most printer menu options can also be set using the soft operator panel on-screen. See "Using the Status Monitor" in Section 1.*

Resetting the Menu

The menu can be reset to the factory (default) settings in the Maintenance Menu (See Maintenance Menu for information on using this feature).

Sub Menus

Sub Menus are accessed by pressing a specific button on the front operator panel. This feature allows quick access to three often used features:

- Power Save
- Paper Size
- Tray Type

The operation is the same as the regular menu, but only the category indicated on the button is activated.

Printing the Menu

For a printout of all menu settings including default (factory) and user settings, firmware revisions, and total RAM capacity:

1. Press ON-LINE to select off-line mode.
2. Press PAPER SIZE/*Print Menu for 2 seconds.* MENU and the current emulation setting displays.
3. Press ENTER to print the menu.
4. To print the menu for a different emulation, before pressing ENTER, press > until that emulation displays.

Category	Items	Options
PERSONALITY		
	EMULATION	
		AUTO EMULATON*, HP PCL6, IBM PPR, EPSON FX
	Notes: Auto Emulation detects the emulation required by the file and sets the printer accordingly.	
TRAY SELECT		
	MANUAL	
		OFF* ON
	Notes: When set ON, paper will feed from the front feeder.	
	PAPER IN	
		TRAY 1* TRAY 2 (OPTION) FEEDER MULTI FEEDER (OPTION)
	Notes: Select paper source. Tray 2 and Multi Feeder appear if installed.	
	AUTO TRAY SWITCH	
		OFF* ON **NOTES**: ON=WHEN PAPER TRAY 1 IS EMPTY, PRINTER AUTOMATICALLY SWITCHES TO TRAY WITH SAME SIZE PAPER INSTALLED. (ONLY WHEN 2ND TRAY OR FEEDER IS INSTALLED).
EDIT SIZE		
	EDIT SIZE	
		CASSETTE SIZE* LETTER EXECUTIVE LEGAL 14 LEGAL 13 A4 SIZE

***Default Setting**

Category	Items	Options
	A5 SIZE A6 SIZE B5 SIZE COM-9 COM-10 MONARCH DL ENVELOPE C5 ENVELOPE C4 ENVELOPE	
	Notes: CASSETTE SIZE=Paper size in the tray is automatically identified by paper sensors. This setting eliminates having to select paper size manually. Other sizes=setting must match paper size in tray or PAPER SIZE ERROR displays unless PAPER SIZE CHECK is set to Disable.	
PAPER SIZE		
	TRAY1 TRAY 2 (Option)	
		LETTER* EXECUTIVE LEGAL 14 LEGAL 13 A4 SIZE A5 SIZE A6 SIZE B5 SIZE
	Notes: Select paper size.	
	MANUAL	
		LETTER* EXECUTIVE LEGAL 14 LEGAL 13 A4 SIZE A5 SIZE A6 SIZE B5 SIZE COM-9 COM-10 MONARCH

***Default Setting**

Category	Items	Options
		DL ENV C5 ENV
	Notes: Select paper size installed in Front Feeder (manual feed). If paper size installed does not match setting, printer will display message requesting the size set in menu.	
	MULTI FEEDER ENVELOPE (option)	
MEDIA TYPE		
	TRAY 1	
		MEDIUM HEAVY HEAVY LIGHT MEDIUM* MEDIUM LIGHT
	Notes: Paper thickness setting.	
	Medium Light=18-lb paper Medium Heavy=24-lb paper Heavy= 28-lb paper Light=16-lb paper Medium=20-lb paper	
	MANUAL	
		MEDIUM LIGHT MEDIUM HEAVY HEAVY LIGHT MEDIUM* TRANSPARENCY
	TRAY 2 (Option)	
	MULTI FEEDER ENVELOPE (Option)	
PAPER SIZE CHECK		
	PAPER SIZE CHECK	
		ENABLE* DISABLE
***Default Setting**	**Notes**: ENABLE=paper size selected in software must match size loaded in drawer. DISABLE=printer accepts any paper size selected in software.	

Category	Items	Options
COPIES		
	COPIES	
		1* TO 999
	Notes: Select number of copies to print for each document.	

THE FOLLOWING CATEGORIES ARE DEPENDENT ON EMULATION

FONTS & SYMBOLS		
	(PCL) FONT SRC	
		RESDENT*, SIMM , DLLSOFT
	Notes: Select location of default fonts. SIMM is indicated only when a ROM SIMM option is installed. DLLSOFT is indicated only when a soft font is downloaded at permanent setting.	
	(PCL) FONT NO.	
		I000* TO I046
	Notes: Select font by ID number (see font print sample); S=soft font.	
	(PCL)FONT CPI	
	Notes: Appears if selected font is scalable/fixed spaced	
		10.00*, 0.44 TO 99.99 ADJUST IN .01 POINT INCREMENTS.
	Notes: Select number of characters printed in a horizontal inch (pitch) when scalable font with fixed spacing is selected. (72 points= 1 inch). Character height (point size) adjusts accordingly.	
	(PCL) FONT HGT	
	Notes: Appears if selected font is scalable/proportional spaced	

***Default Setting**

Category	Items	Options
		12.00*, 4.00 TO 999.75 ADJUST IN .25 POINT INCREMENTS.
	Notes: Select point size (height) of characters when scalable font with proportional spacing is selected. 72 points= 1 inch). Horizontal spacing adjusts accordingly.	
	(PCL)SYMBOL	
		ROMAN-8* 60 SETS ARE AVAILABLE.
	Notes: Select Symbol Set.	
PAGE LAYOUT1		
	(PCL) A4 WIDTH	
		78 COL*, 80 COL
	Notes: Use for A4 size paper to select 78 columns or condense 80 columns to fit characters on a line.	
	(PCL) BLNKSKIP	
		OFF*, ON
	Notes: ON= printer will ignore FF code when buffer is empty. (Sometimes software will print an extra blank page.)	
	(PCL) CR FUNC	
		CR*,CR+LF
	Notes: Sets operation when receiving CR code. CR+LF=add LF command to each CR command.	
	(PCL) LF FUNC	
		LF*, LF+CR
	Notes: Sets operation when receiving LF code. LF+CR=add CR command to each LF command.	
FONTS & SYMBOLS		
	(IBM, EPSON) PITCH	
		10 CPI* 12 CPI 17 CPI 20 CPI PROP

***Default Setting**

Category	Items	Options
	Notes: Select font and character pitch.	
	(IBM) CONDENSE	
		12 TO 20 12 TO 12
	Notes: Pitch with 12 cpi only (IBM only)	
	(IBM, EPSON) CHAR SET	
		SET- 2* SET-1
	Notes: Selects character set.	
	(IBM, EPSON) SYMBOL	
		IBM-473*
	Notes: Selects code page.	
	(IBM, EPSON) LETTER 0	
		DISABLE* ENABLE
	Notes: Select the style of letter 0.	
	(IBM, EPSON) ZERO CHR	
		NORMAL* SLASHED
	Notes: Select the style of 0 (zero).	
PAGE LAYOUT 1		
	(IBM, EPSON) LN PITCH	
		6 LPI* 8 LPI
	(IBM, EPSON) BLNKSKIP	
		OFF* ON
	Notes: Set OFF, a blank page will not eject.	

***Default Setting**